Land Classification Interpretations

Prime and Important Farmland

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

This subsection includes:

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name)

Map symbol	Soil name
15002	McGirk silt loam, 1 to 3 percent slopes (where drained)
60006	Marion silt loam, 2 to 5 percent slopes
64000	Racoon silt loam, 0 to 3 percent slopes, rarely flooded (where drained)
64001	Freeburg silt loam, 0 to 3 percent slopes, rarely flooded
64002	Freeburg silt loam, 1 to 3 percent slopes
66003	Jemerson silt loam, 0 to 2 percent slopes, rarely flooded
66004	Dockery silt loam, 0 to 2 percent slopes, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
66005	Deible silt loam, 0 to 2 percent slopes, rarely flooded (where drained)
66006	Waldron silty clay loam, 0 to 2 percent slopes, occasionally flooded
66007	Leta silty clay, 0 to 2 percent slopes, occasionally flooded
66008	Leta silt loam, 0 to 2 percent slopes, overwash, occasionally flooded
66009	Haynie silt loam, 0 to 2 percent slopes, occasionally flooded
66011	Moville silt loam, 0 to 2 percent slopes, occasionally flooded
66012	Blake silt loam, 0 to 2 percent slopes, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
66013	Waldron silt loam, 0 to 2 percent slopes, rarely flooded
73098	Plato silt loam, 1 to 3 percent slopes
73100	Wrengart silt loam, 2 to 5 percent slopes
73106	Mariosa silt loam, 0 to 2 percent slopes (where drained)
74633	Hartville silt loam, 1 to 3 percent slopes
74635	Tanglenook silty clay, 0 to 2 percent slopes, rarely flooded (where drained)
75391	Possumtrot fine sandy loam, 0 to 3 percent slopes, occasionally flooded
75395	Jamesfin silt loam, 0 to 3 percent slopes, occasionally flooded
75398	Kaintuck fine sandy loam, 0 to 3 percent slopes, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
75399	Jamesfin silt loam, 0 to 3 percent slopes, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
75400	Gladden silt loam, 0 to 3 percent slopes, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
75407	Gabriel silt loam, 0 to 2 percent slopes, rarely flooded (where drained)